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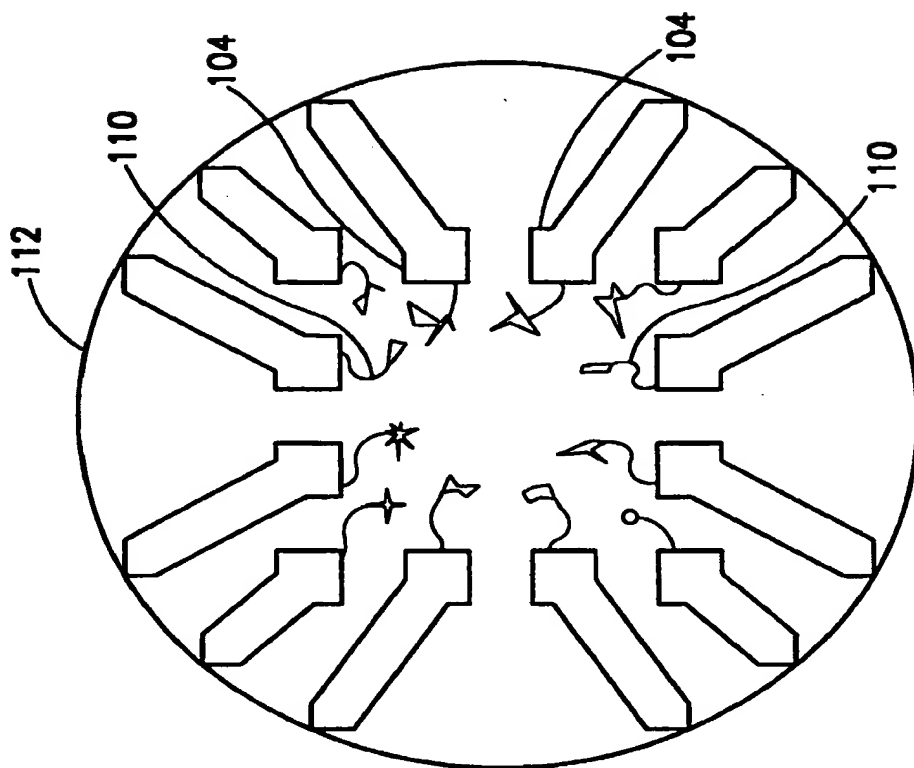


FIG. 1B

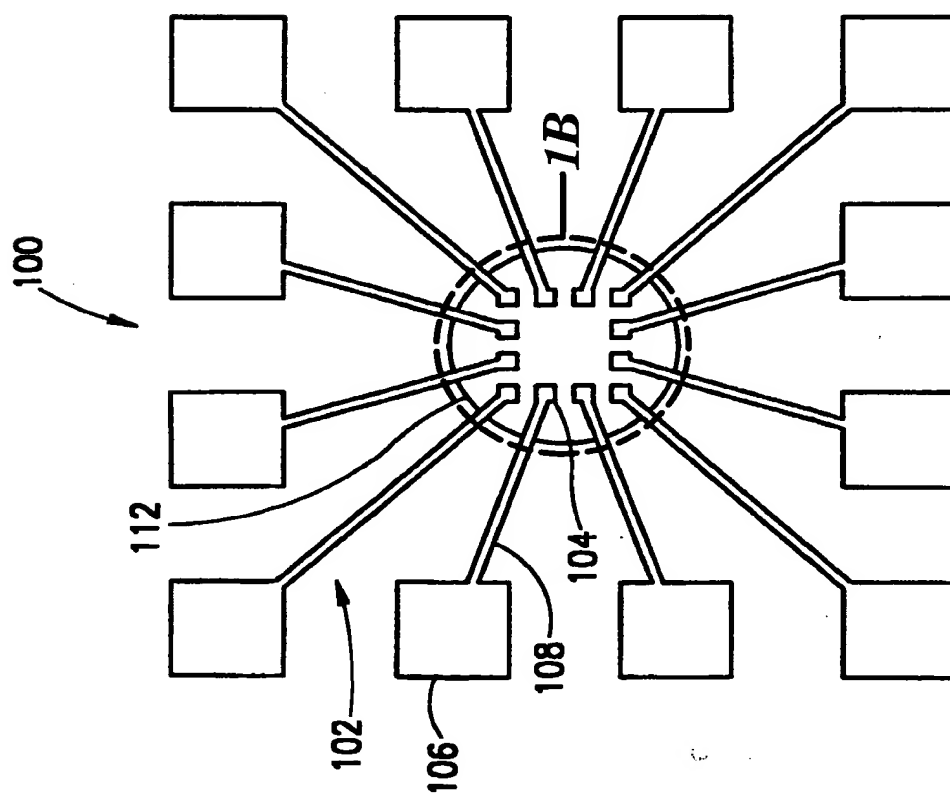


FIG. 1A

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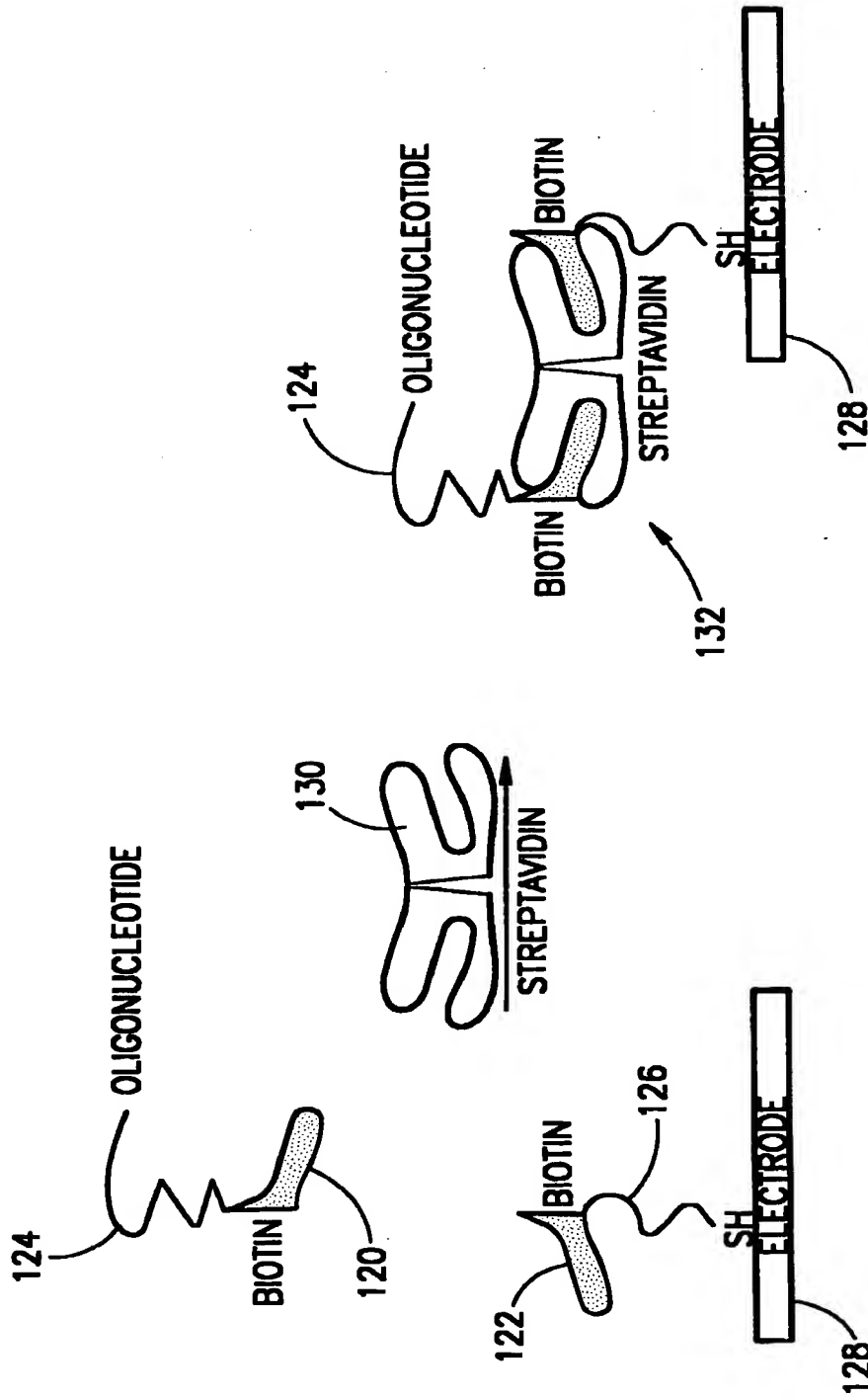


FIG. 1C

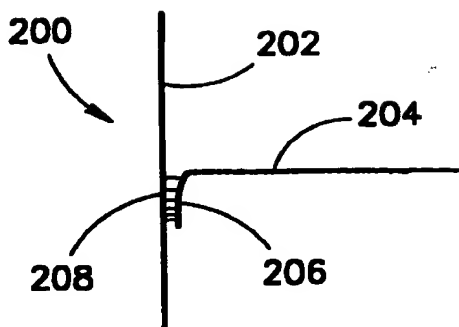


FIG. 2A

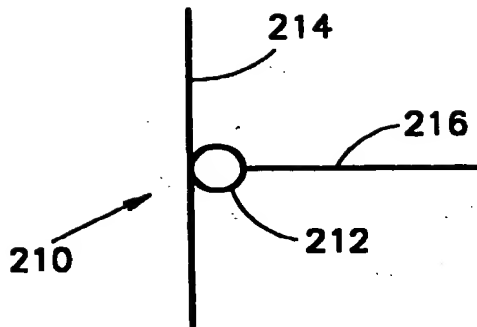


FIG. 2B

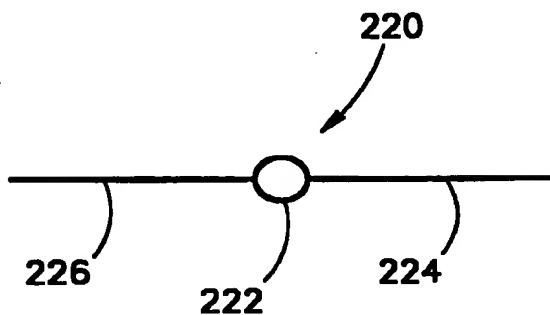


FIG. 2C

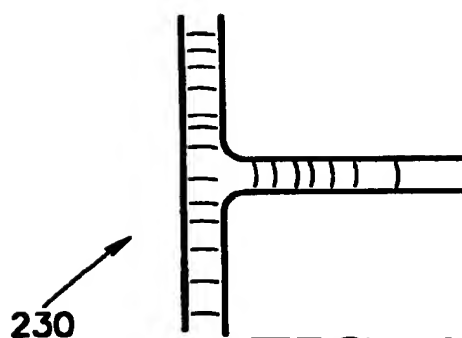


FIG. 2D

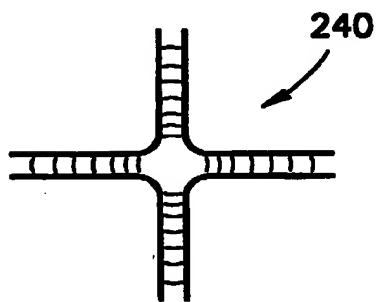


FIG. 2E

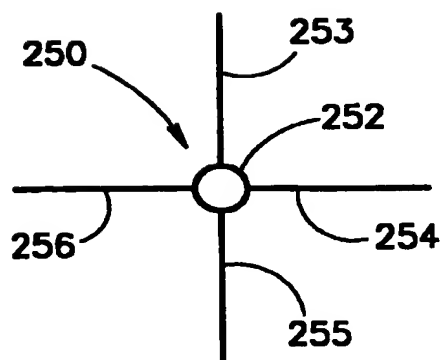
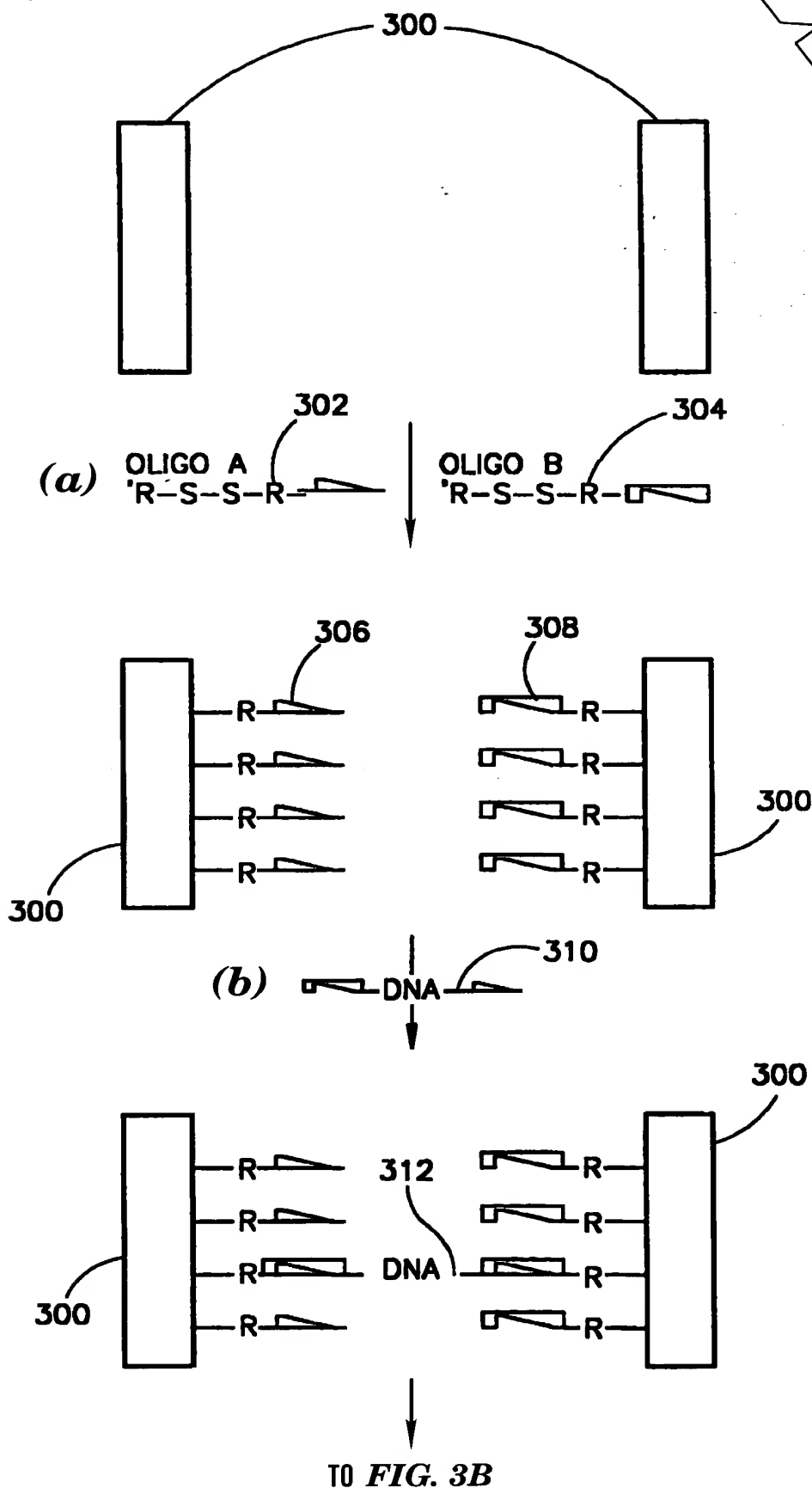


FIG. 2F



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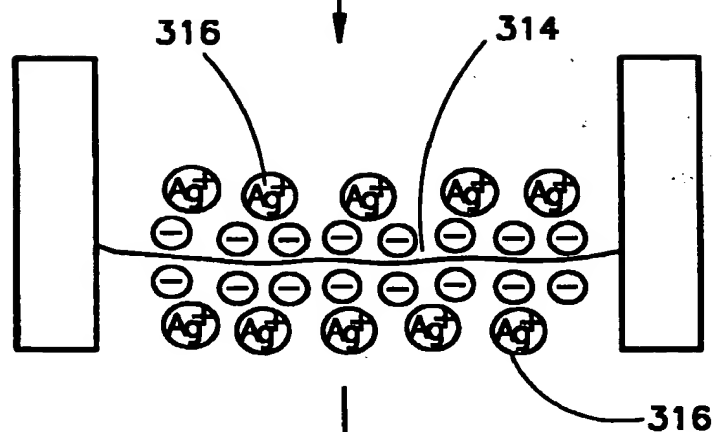
FIG. 3A



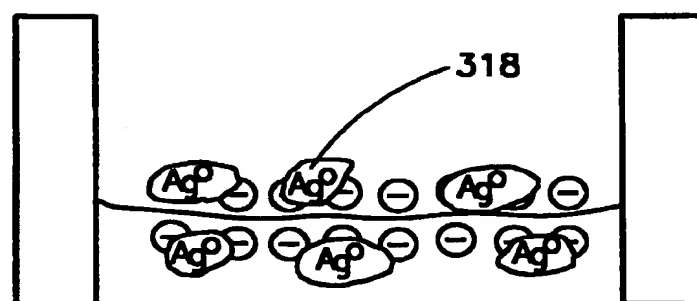
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FROM FIG. 3A

(c) Ag^+/OH^-



(d) HYDROQUINONE/ OH^-



Ag^+ IONS + HYDROQUINONE/ H^+

(e)

$2\text{Ag}^+ + \text{Hq}$

$2\text{Ag}^0 + \text{Bq} + 2\text{H}^+$

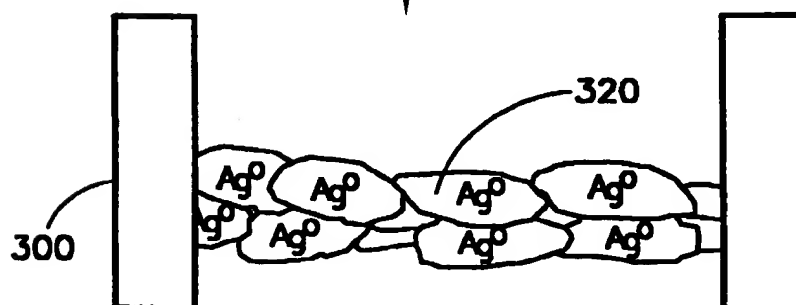


FIG. 3B



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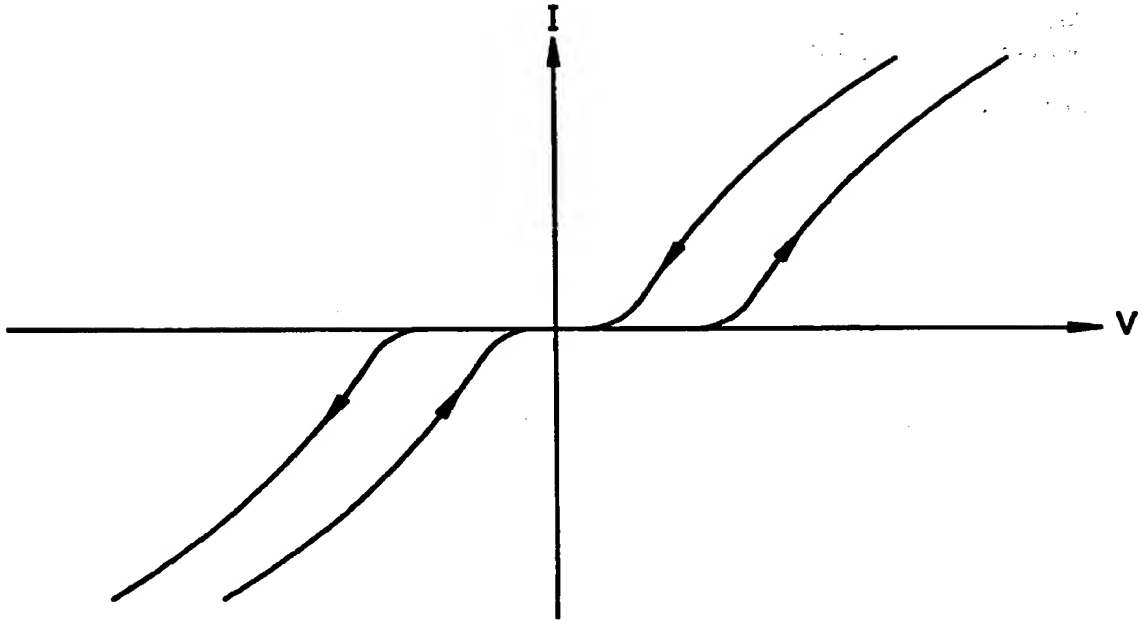
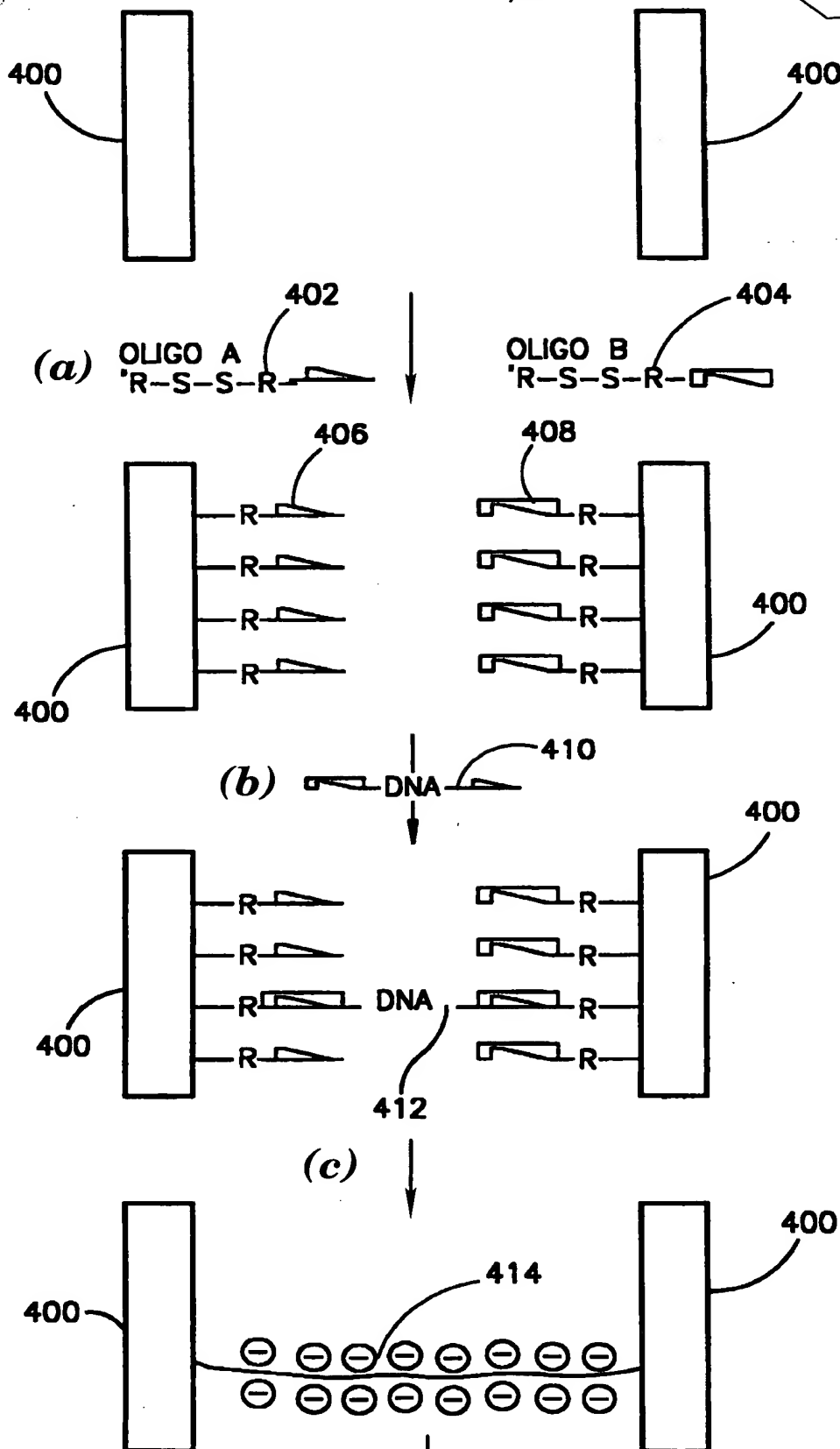


FIG. 3C



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FIG. 4A



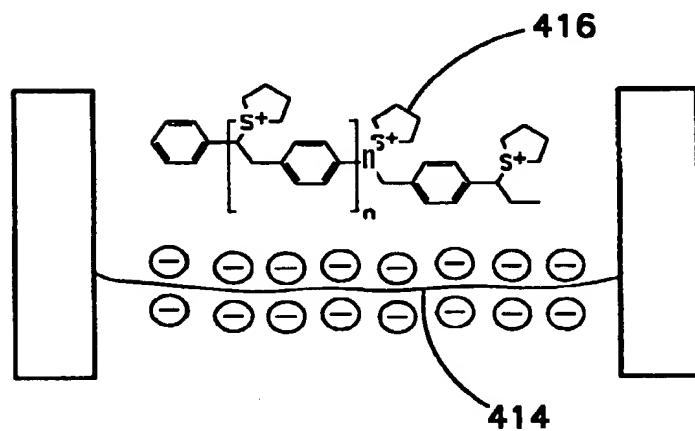
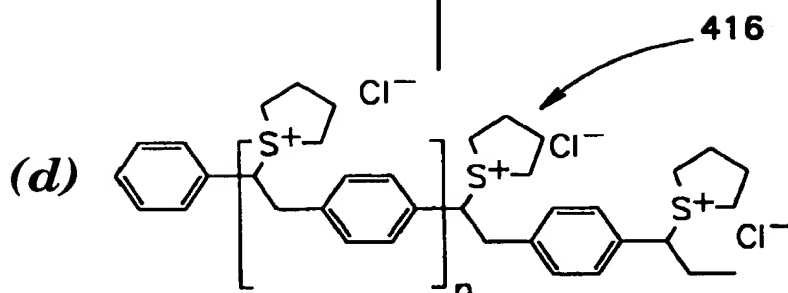
TO FIG. 4B



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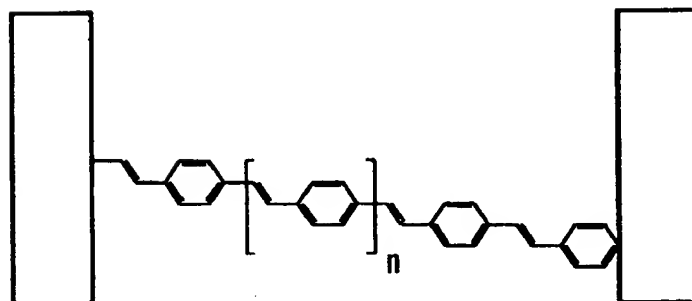
FIG. 4B

FROM FIG. 4A



(e)

-HCl-THT



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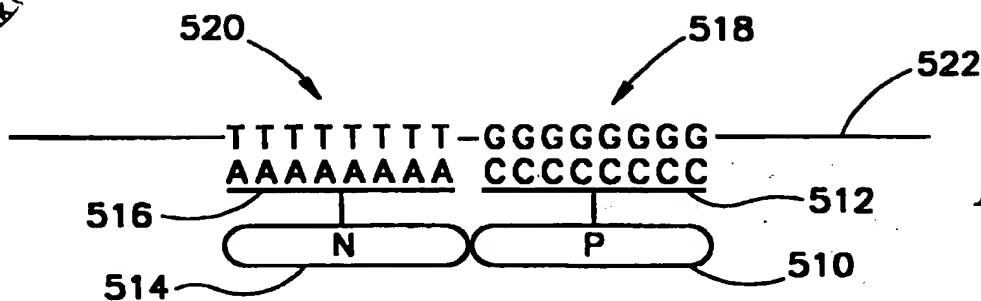


FIG. 5A



FIG. 5B

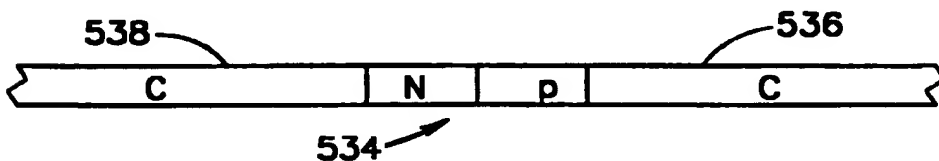


FIG. 5C

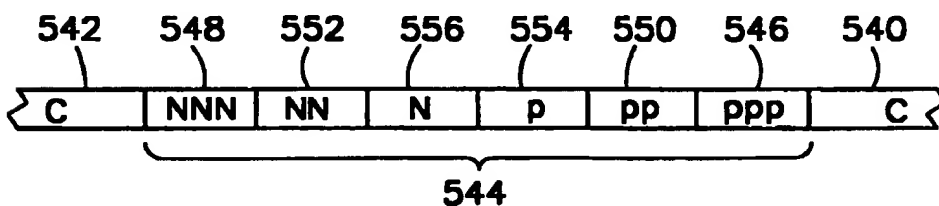


FIG. 5D

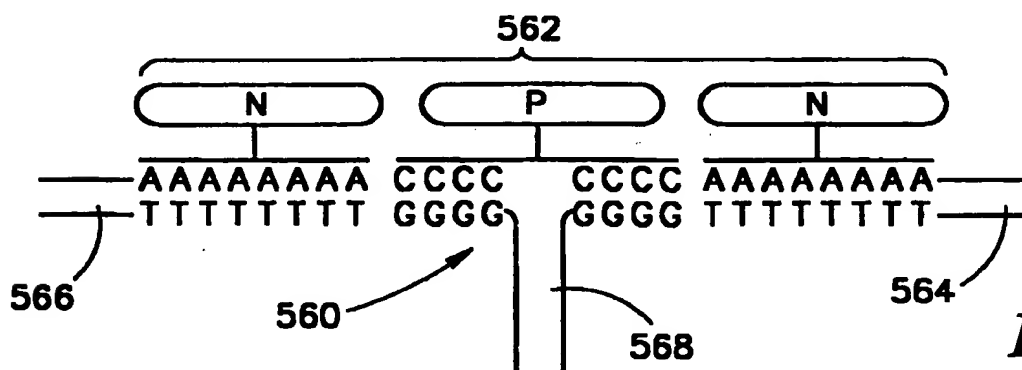


FIG. 5E

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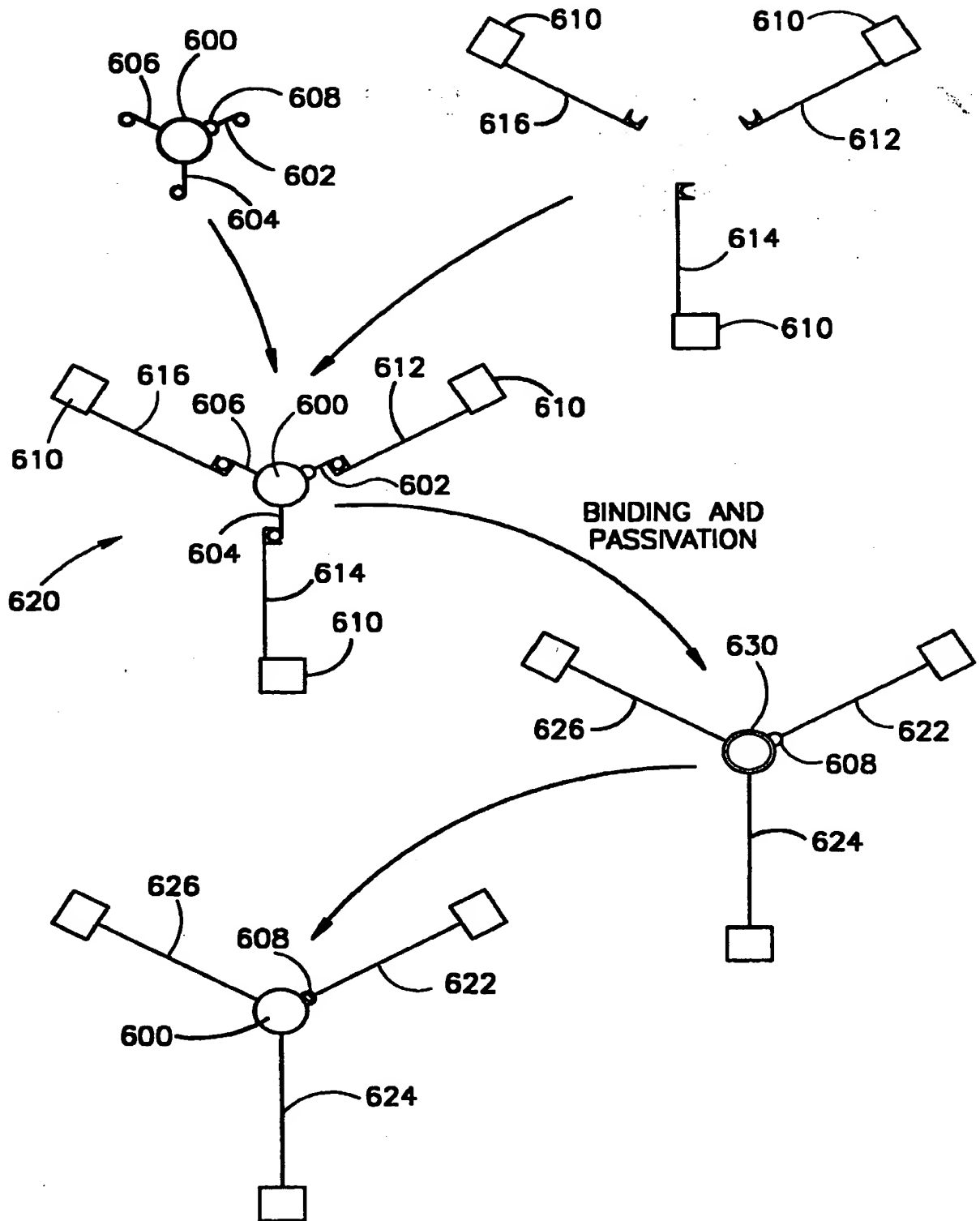
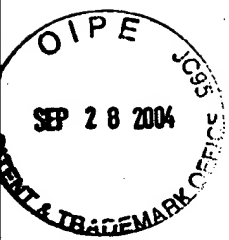


FIG. 6

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FIG. 7A

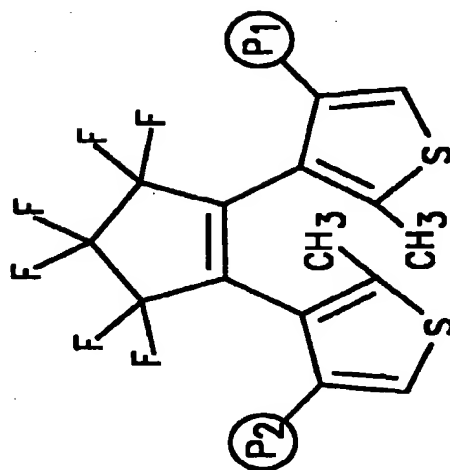
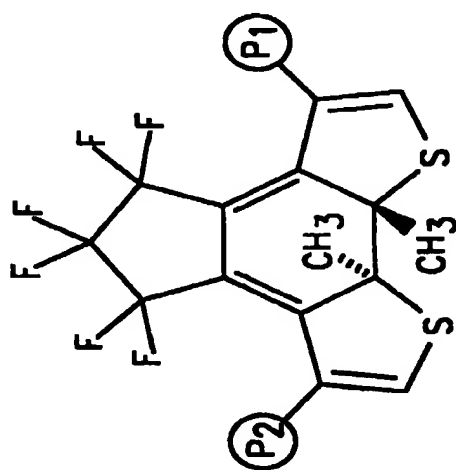
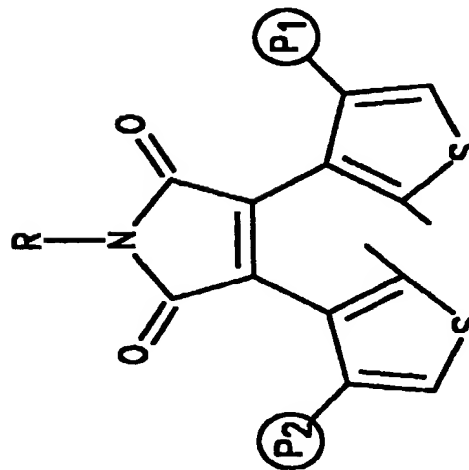
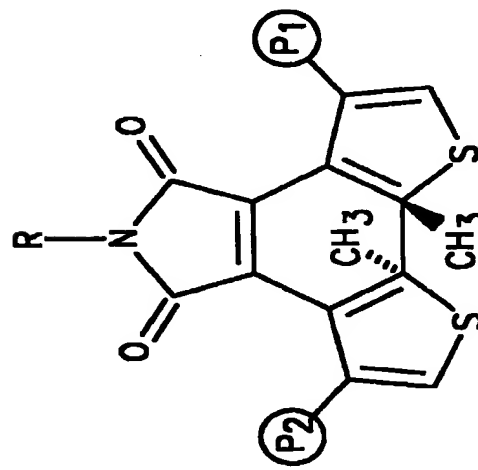


FIG. 7B



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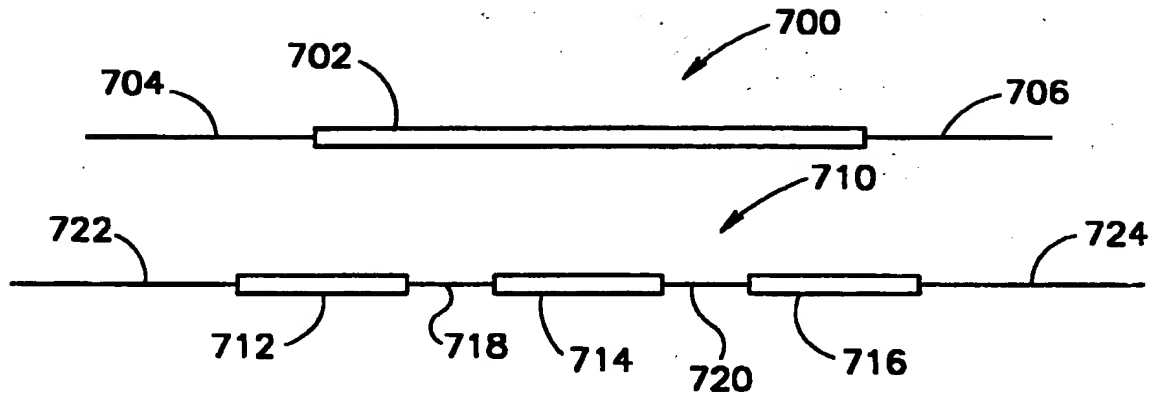


FIG. 8A



FIG. 8B



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FIG. 9

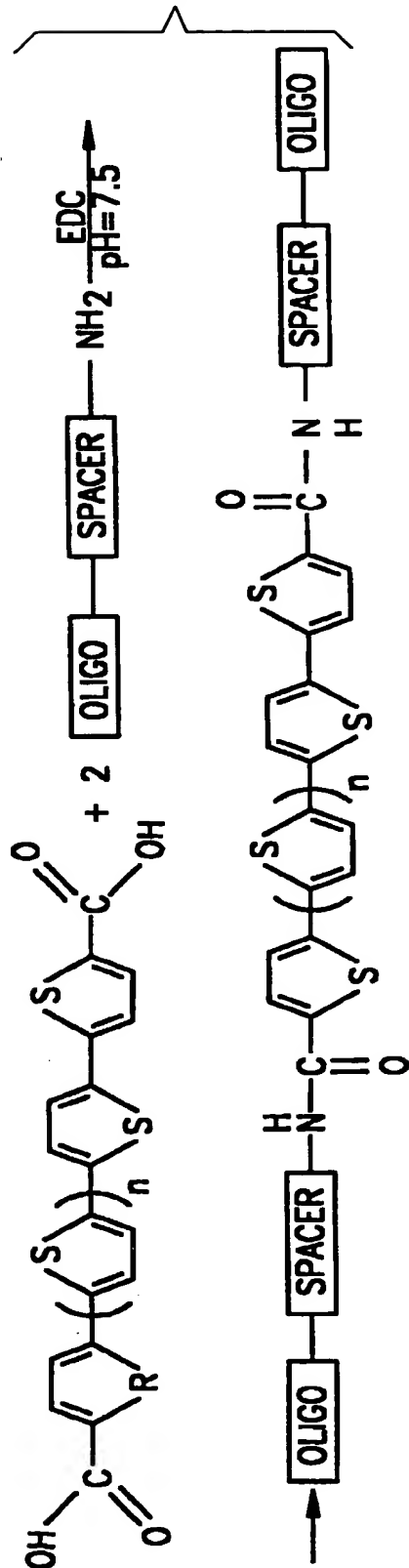


FIG. 10

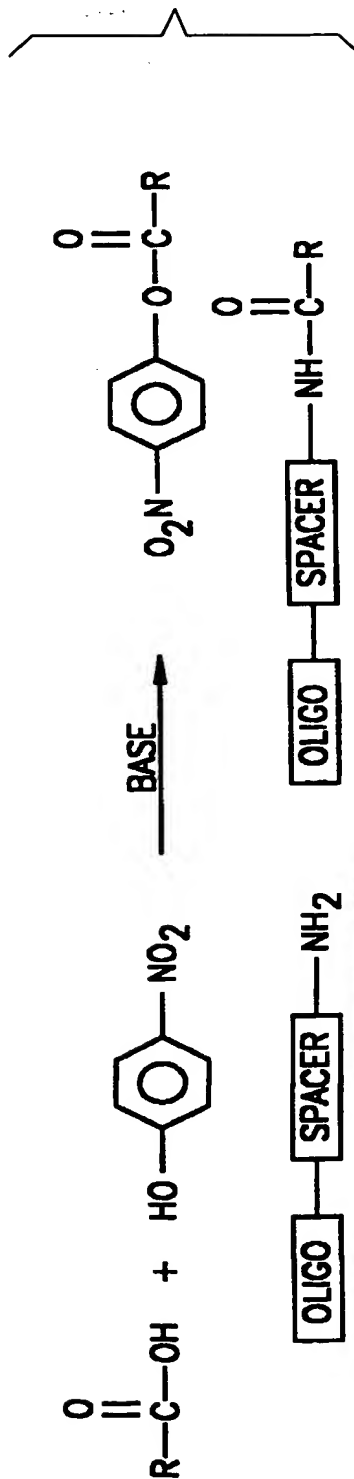
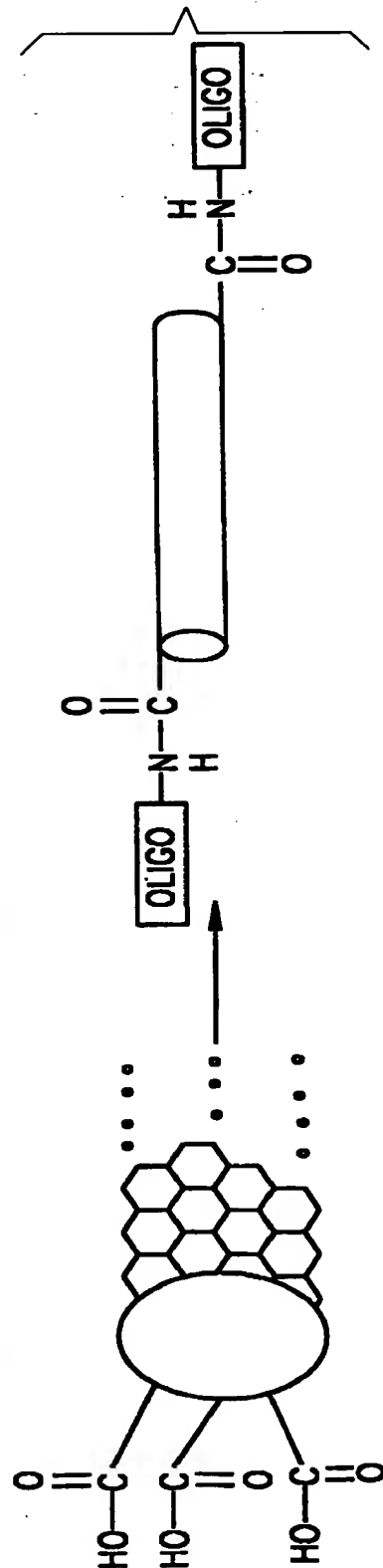


FIG. 11



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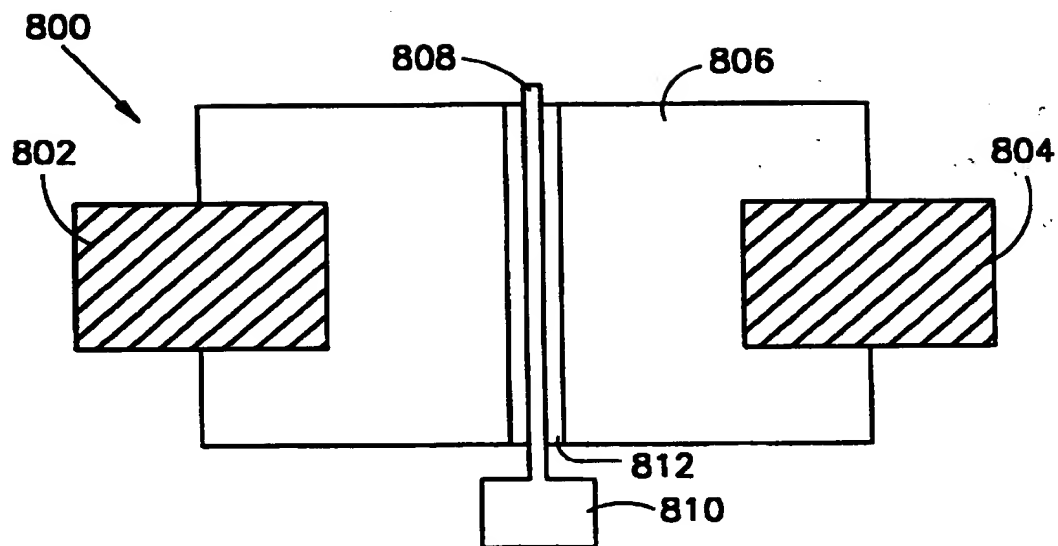


FIG. 12A

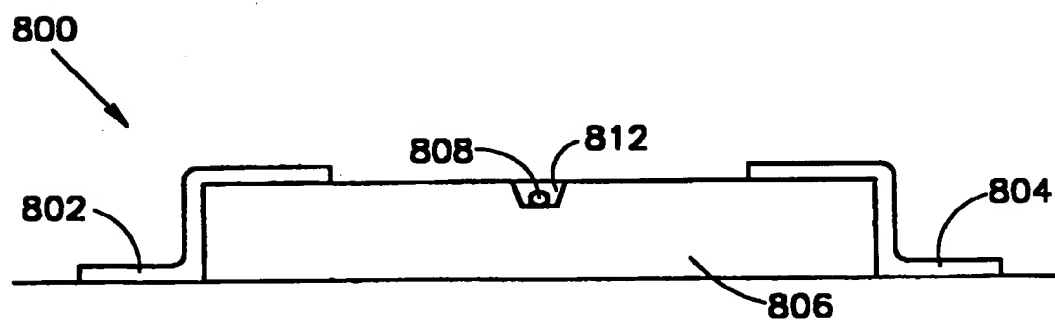


FIG. 12B

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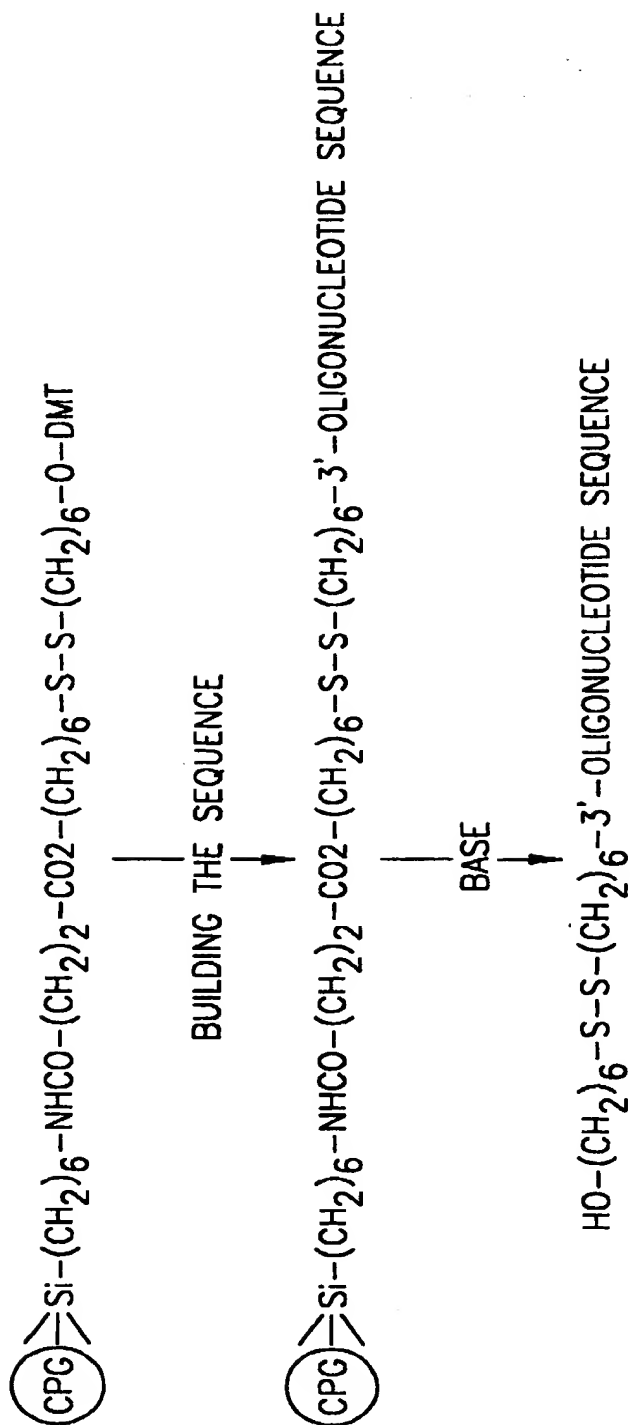


FIG. 13



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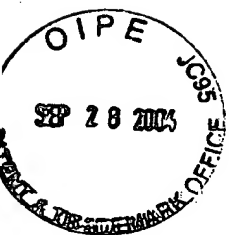
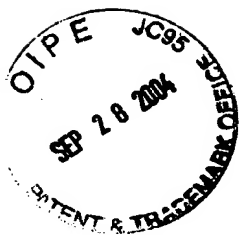


FIG. 14

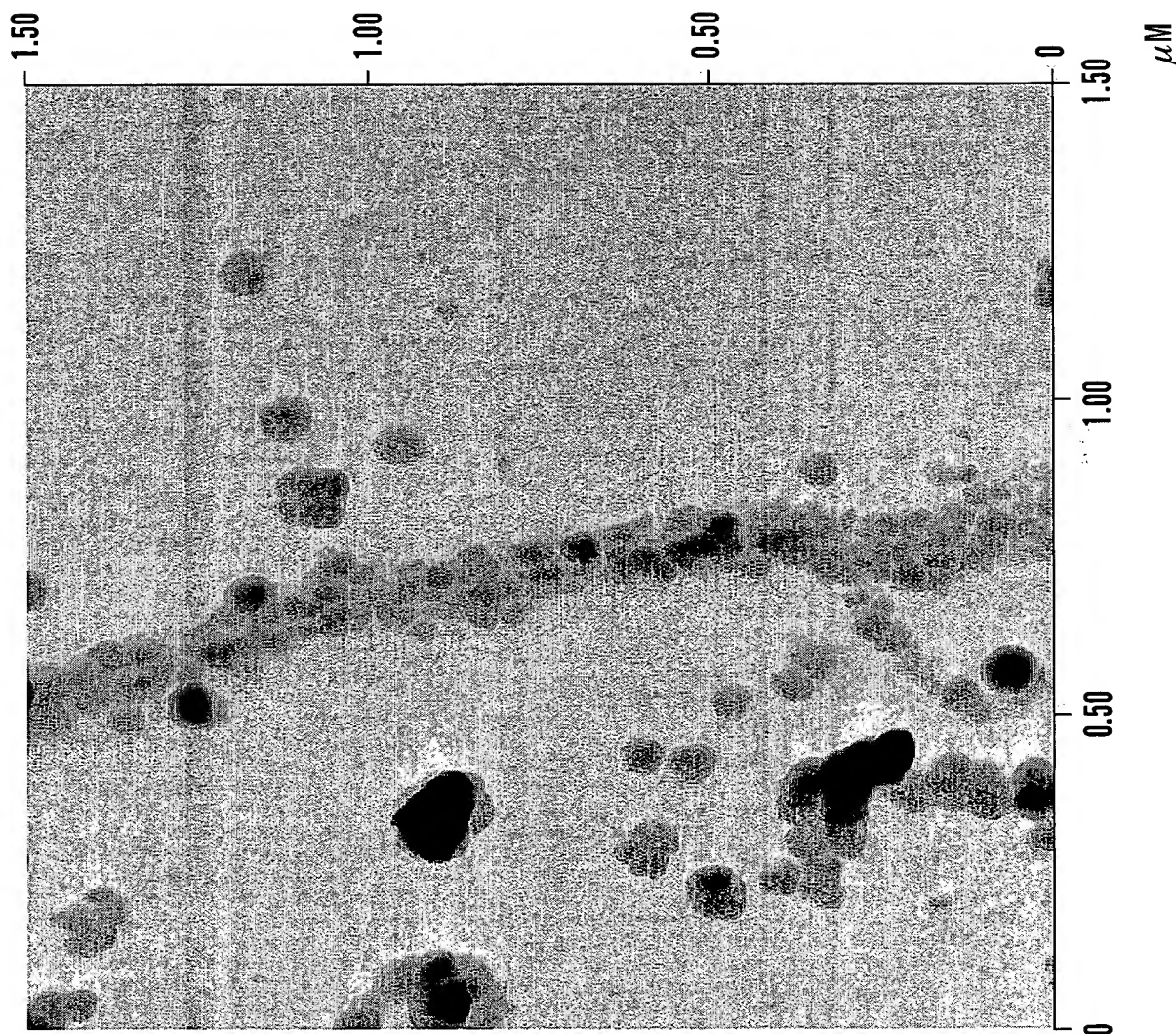
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FIG. 15A



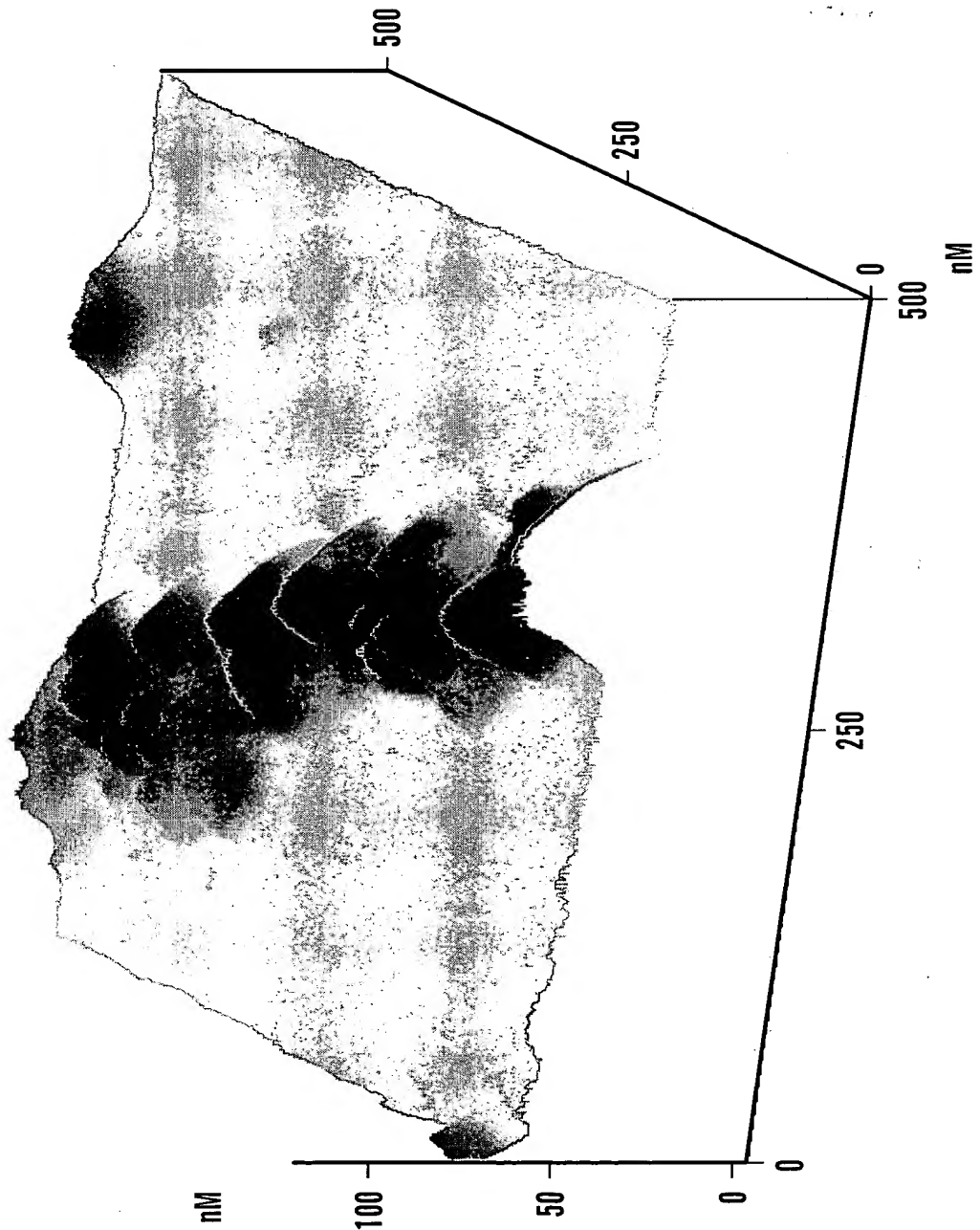
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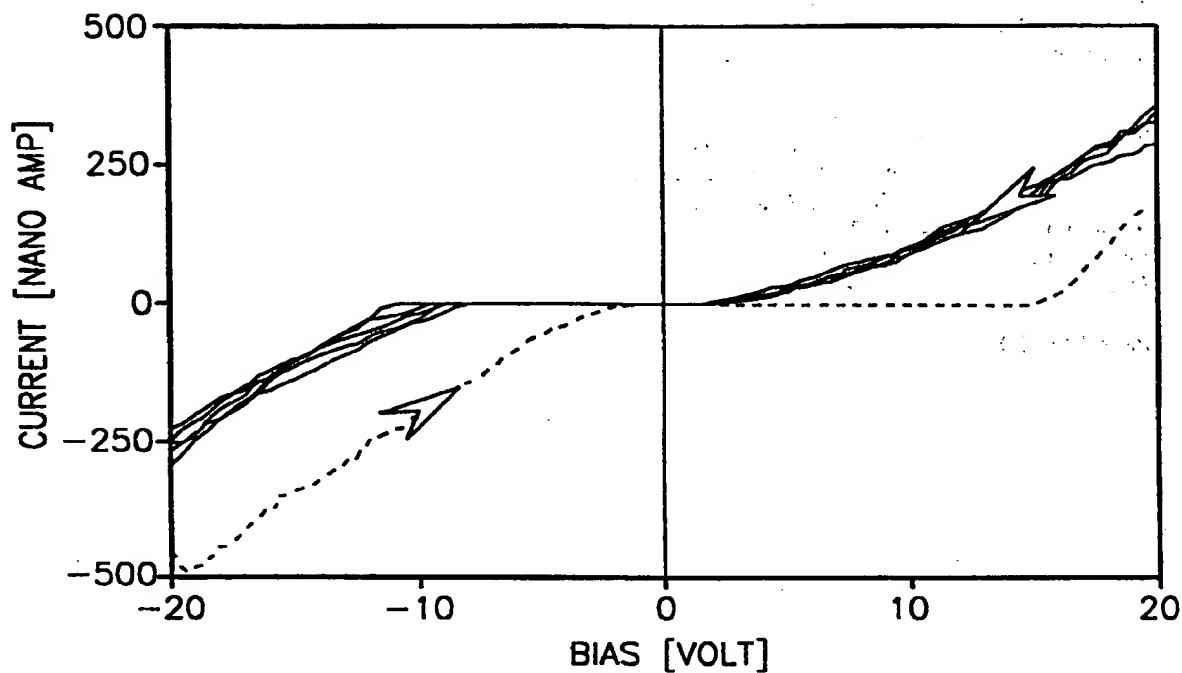
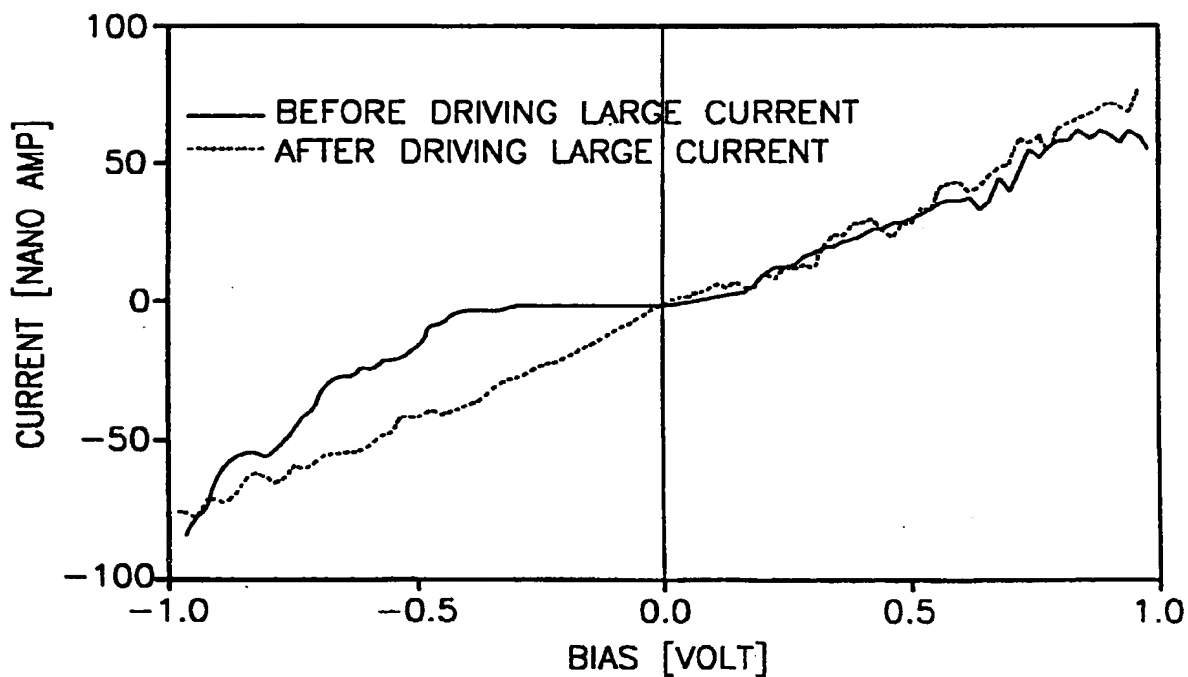


FIG. 15B



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**FIG. 16A****FIG. 16B**

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NANOSCOPE
SCAN SIZE
SETPOINT
SCAN RATE
NUMBER OF SAMPLES

TAPPING AFM
335.5 nM
1.444 V
1.001 HZ
512

VIEW ANGLE
LIGHT ANGLE

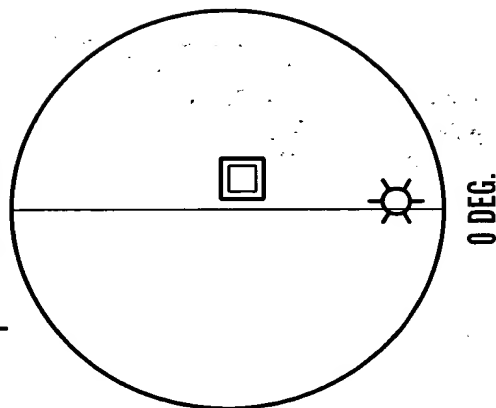
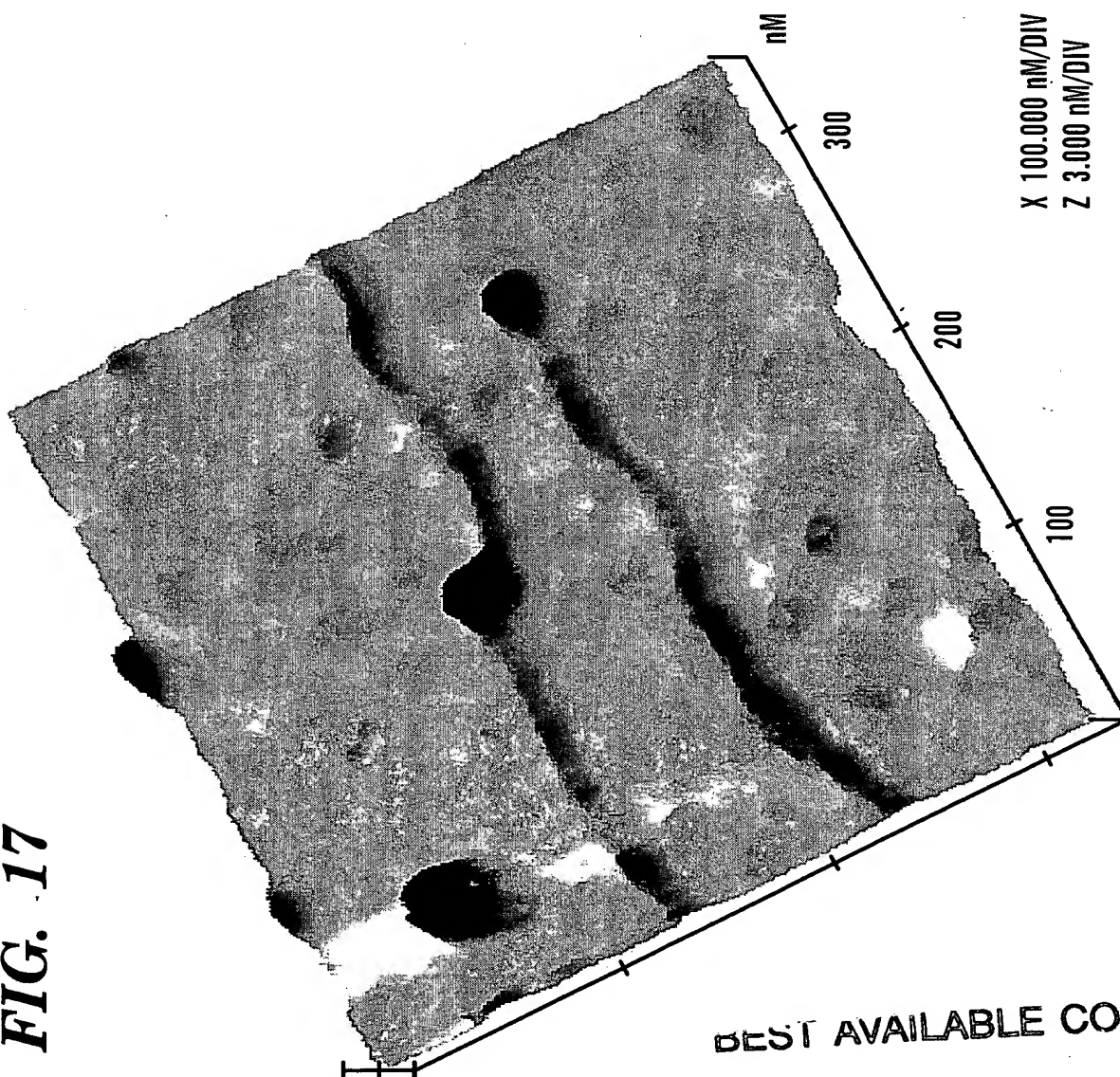


FIG. 17



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